

DOCKET NO.: ELSE-0817

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Hemminger, et al.

Application No.: 10/616,620

Filing Date: July 10, 2003

For: METHOD AND APPARATUS FOR ELECTRONIC METER TESTING

Confirmation No.:

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

DATE OF DEPOSIT: August 11, 2003

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

A handwritten signature in black ink, appearing to read "Steven B. Samuels".

TYPED NAME: Steven B. Samuels
REGISTRATION NO.: 37,711

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;

or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith

EXCEPT THAT:

☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:

☒ Copies of references **1 thru 175** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **08/660,709**, filed **June 6, 1996**.

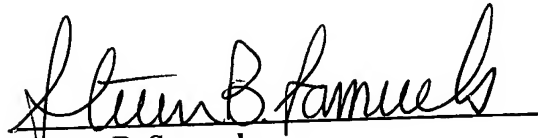
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Date: August 11, 2003


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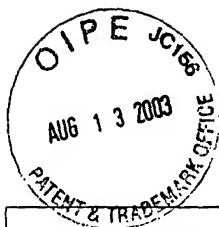
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. ELSE-0817	Application No. 10/616,620	
				Applicant Hemminger, et al.		
				Filing Date July 10, 2003	Group Not Yet Assigned	
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	1	2,724,821	11/22/55	Schweitzer, Jr.	340	201
	2	3,794,917	02/26/74	Martin, et al.	324	142
	3	3,806,875	04/23/74	Georget	340	151
	4	3,826,985	07/30/74	Wiley	324	173
	5	3,976,941	08/24/76	Milkovic	324	142
	6	4,007,061	02/08/77	Le Couturier	136	221
	7	4,034,292	07/05/77	McCelland, III	324	157
	8	4,077,061	02/28/78	Johnston, et al.	364	483
	9	4,092,592	05/30/78	Milkovic	324	142
	10	4,096,436	06/20/78	Cook, et al.	324	142
	11	4,119,948	10/10/78	Ward, et al.	340	151
	12	4,120,031	10/10/78	Kincheloe, et al.	364	464
	13	4,131,844	12/26/78	Hucker, et al.	323	45
	14	4,156,273	05/22/79	Sato	363	56
	15	4,156,931	05/29/79	Adelman, et al.	364	900
	16	4,156,932	05/29/79	Robinson, et al.	364	200
	17	4,158,810	06/19/79	Leskovar	324	127
	18	4,186,339	01/29/80	Finger	324	142
	19	4,209,826	06/24/80	Priegnitz	363	21
	20	4,213,119	07/15/80	Ward, et al.	340	151
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	21	4,283,772	08/11/81	Johnston	364	900	
	22	4,291,375	09/22/81	Wolf	364	483	
	23	4,298,839	11/03/81	Johnston	324	157	
	24	4,301,508	11/17/81	Anderson, et al.	364	483	
	25	4,315,248	02/09/82	Ward	340	825.72	
	26	4,335,445	06/15/82	Nercessian	364	900	
	27	4,355,361	10/19/82	Riggs, et al.	364	464	
	28	4,359,684	11/16/82	Ley	324	142	
	29	4,361,877	11/30/82	Dyer, et al.	364	900	
	30	4,378,524	03/29/83	Steinmuller	324	107	
	31	4,389,702	06/21/83	Clemente, et al.	363	21	
	32	4,399,510	08/16/83	Hicks	364	464	
	33	4,407,061	10/04/83	Grodkiewicz, et al.	29	576	
	34	4,415,853	11/15/83	Fisher	324	74	
	35	4,420,721	12/13/83	Dorey, et al.	324	110	
	36	4,422,039	12/20/83	Davis	324	119	
	37	4,437,059	03/13/84	Hauptmann	324	142	
	38	4,438,485	03/20/84	Voigt	363	21	
	39	4,439,764	03/27/84	York, et al.	340	870.02	
	40	4,467,434	08/21/84	Hurley, et al.	364	483	
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	41	4,489,384	12/18/84	Hurley, et al.	364	483	
	42	4,497,017	01/29/85	Davis	363	49	
	43	4,509,128	04/02/85	Coppola, et al.	364	483	
	44	4,516,213	05/07/85	Gidden	364	483	
	45	4,542,469	09/17/85	Brandyberry, et al.	364	483	
	46	4,566,060	01/21/86	Hoeksma	363	21	
	47	4,581,705	04/08/86	Gilker, et al.	364	492	
	48	4,600,881	07/15/86	La Rocca, et al.	327	74	
	49	4,607,320	08/19/86	Matui, et al.	363	21	
	50	4,621,330	11/04/86	Weikel	364	483	
	51	4,622,627	11/11/86	Rodriguez, et al.	363	37	
	52	4,623,960	11/18/86	Eng	363	21	
	53	4,642,634	02/10/87	Gerri, et al.	340	870.02	
	54	4,646,084	02/24/87	Burrowes, et al.	340	870.03	
	55	4,686,460	08/11/87	Stevens, et al.	324	142	
	56	4,692,874	09/08/87	Mihara	364	483	
	57	4,697,180	09/29/87	Swanson	340	870.02	
	58	4,700,280	10/13/87	Onda, et al.	363	19	
	59	4,701,858	10/20/87	Stokes, et al.	364	483	
	60	4,713,608	12/15/87	Catiller, et al.	324	142	
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	61	4,754,219	06/28/88	Milkovic	324	142
	62	4,757,456	07/12/88	Benghiat	364	464
	63	4,761,725	08/02/88	Henze	363	46
	64	4,794,369	12/27/88	Haferd	341	166
	65	4,803,632	02/07/89	Frew, et al.	364	464.04
	66	4,814,757	03/21/89	Patterson, et al.	340	753
	67	4,831,327	05/16/89	Chenier, et al.	324	127
	68	4,853,620	08/01/89	Halder, et al.	324	142
	69	4,862,493	08/29/89	Venkataraman, et al.	379	107
	70	4,866,587	09/12/89	Wadlington	363	16
	71	4,881,027	11/14/89	Joder, et al.	324	107
	72	4,881,070	11/14/89	Burrows, et al.	340	870.02
	73	4,884,021	11/28/89	Hammond, et al.	324	142
	74	4,896,106	01/23/90	Voisine, et al.	324	142
	75	4,902,964	02/20/90	Szabela, et al.	324	103
	76	4,902,965	02/20/90	Bodrug, et al.	324	116
	77	4,908,569	03/13/90	Fest	324	120
	78	4,908,769	03/13/90	Vaughan, et al.	364	464.04
	79	4,922,187	05/01/90	Beverly, II	324	96
	80	4,922,399	05/01/90	Tsuzuki	363	21
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U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	81	4,931,725	06/05/90	Hutt, et al.	324	142	
	82	4,949,029	08/14/90	Cooper, et al.	324	74	
	83	4,951,052	08/21/90	Jacob, et al.	341	122	
	84	4,956,761	09/11/90	Higashi	363	19	
	85	4,975,592	12/04/90	Hahn, et al.	307	38	
	86	4,977,368	12/11/90	Munday, et al.	324	142	
	87	4,978,911	12/18/90	Perry, et al.	324	142	
	88	4,998,061	03/05/91	Voisine, et al.	324	142	
	89	4,999,569	03/12/91	Weikel	324	74	
	90	5,010,335	04/23/91	Coppola, et al.	340	870.28	
	91	5,014,213	05/07/91	Edwards, et al.	364	483	
	92	5,017,860	05/21/91	Germer, et al.	324	142	
	93	5,019,955	05/28/91	Hoeksma	363	21	
	94	5,032,785	07/16/91	Mathis, et al.	324	107	
	95	5,059,896	10/22/91	Germer, et al.	324	142	
	96	5,122,735	06/16/92	Porter, et al.	324	142	
	97	5,140,511	08/18/92	Lee, et al.	363	21	
	98	5,151,866	09/29/92	Glaser, et al.	364	483	
	99	5,153,837	10/06/92	Shaffer, et al.	364	464.04	
	100	5,173,657	12/22/92	Holdsclaw	324	142	
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	101	5,175,675	12/29/92	Uramoto	363	19
	102	5,181,026	01/19/93	Granville	340	870.28
	103	5,184,064	02/02/93	Vicknair, et al.	324	156
	104	5,229,713	07/20/93	Bullock, et al.	324	142
	105	5,245,275	09/14/93	Germer, et al.	324	142
	106	5,268,633	12/07/93	Balch	324	74
	107	5,270,958	12/14/93	Dastous	364	569
	108	5,287,287	02/15/94	Chamberlein, et al.	364	483
	109	5,296,803	03/22/94	Kirby, et al.	324	156
	110	5,315,527	05/24/94	Beckwith	364	483
	111	5,325,051	06/28/94	Germer, et al.	324	142
	112	5,391,983	02/21/95	Lusignan, et al.	324	142
	113	5,457,621	10/10/95	Munday, et al.	363	56
	114	5,495,167	02/27/96	Cotroneo	327	74
	115	5,537,029	07/16/96	Hemminger, et al.	324	142
	116	5,539,304	07/23/96	Payne, et al.	324	74
	117	5,544,089	08/06/96	Hemminger, et al.	364	492
	118	5,548,209	08/20/96	Lusignan, et al.	324	142
	119	5,548,527	08/20/96	Hemminger, et al.	364	492
	120	5,555,508	09/10/96	Munday, et al.	364	492
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	121	5,903,145	05/11/99	Hemminger, et al.	324	142	
	122	6,229,295 B1	05/08/01	Hemminger, et al.	324	142	
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Examiner Initial		Document No.	Date	Name	Class	Subclass
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	123	EP 0 288 413 A1	10/26/88	EPO		
	124	EP 0 462 045 A1	12/18/91	EPO		
	125	1-239473 JP	09/25/89	Japan	X(Abstract)	
	126	1-239474 JP	09/25/89	Japan	X(Abstract)	
	127	1-239475 JP	09/25/89	Japan	X(Abstract)	
	128	61-11680 JP	01/20/86	Japan	X(Abstract)	
	129	61-284670	12/15/86	Japan	X(Abstract)	
	130	61-38569	02/24/86	Japan	X(Abstract)	
	131	GB2 095 879	10/06/82	Great Britain		
	132	GB 2 177 805	01/28/87	Great Britain		
	133	EP 0 092 303 B1	10/26/83	EPO		
	134	AU 68113/87	08/13/87	Australia		
	135	WO 86/05887	10/09/86	PCT		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	136	"Enter the Electronic Metering Age with GE, The Electronic Polyphase Demand Meter, Ge electronic Metering", <i>GE Meters Brochure</i> , Somersworth, NH, Sept 1989
	137	Kingston, G.A. et al., "Multi Function Polyphase Metering- An Integrated Approach", <i>Schlumberger Industries Electricity Management</i> , UK
	138	Garverick, S. L. et al., "A Programmable Mixed-Signal ASIC of Power Metering", <i>IEEE Journal of Solid State Circuits</i> , 1991 , 26(12), 2008-2016
	139	Gaverick, S.L. et al., "A Programmable Mixed-Signal ASIC for Power Metering", <i>IEEE International Solid State Circuits Conference</i> , 1991 , 36-37
	140	Kohler, H., "Elektronischer Hochprazisionzähler im 19-Zoll-Einbaugehäuse für Wirkverbrauch-und Blindverbrauchszählung", <i>Siemens Magazine</i> , 1977 , 345-349
	141	Eggenberger, H.P., "An Electronic Electricity Meter for Active and Reactive Energy Consumption", <i>Nue Zurcher Zeitung</i> , September 6, 1989
	142	In the Matter of Australian Patent Application 688711 in the name of ABB Power T&D Company, Inc., and In the Matter of Opposition Thereto by Electrowatt Technology Innovation Corporation, <i>Revised "Statement of Grounds and Particulars in Support of Opposition"</i> , February 19, 1999
	143	In the Matter of Australian Patent Application No. 688711 in the name of ABB Power T & D Co. Inc and in the matter of Opposition thereto by Electrowatt Technology Innovation Corp., "Statement of Grounds and Particulars in Support of Opposition", August 12, 1998
	144	Landis & Gyr, "Electronic Meter, Class 0, 2:ZFRI, ZNRI," July 1971
	145	Landis & Gyr Instruction/Technical Manual, Solid State Meter Class 20, Form 9s, Bulletin 920, Lafayette, IN, August 4, 1987
	146	Landis & Gyr, Bulletin 930 SSM2 Instruction/Technical Manual Polyphase Solid State Meter, Landis & Gyr, Lafayette, Indiana, (date available)
	147	Landis & Gyr, ZMA110m402-Solid State Precision Meter IEC Class 1.0
	148	Landis & Gyr, "Z.T. Precision Solid-State Meters", October 1988
	149	Laumann, H. et al., "Class 0,5 Precision Meter With Solid-State Measuring Elements", Landis & Gyr Review, September 1974
	150	Lester, G., "A Communications Protocol for Reading and Programming Electronic Metering Devices from Hand Held Units", GEC Meters, UK
	151	Schwendtner, M. et al., "Elektronischer Haushaltszähler" <i>Elektrontechnische Zeitschrift etz</i> , Vol 112, 6(7), 1991 , 320-323
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	152	McGrath, D.T., "Signal Processing Considerations in Power Management Applications", <i>GE Corporate Research and Development</i> , 1991	
	153	MT100 electronic Time-of-Use Register Instruction Manual 0505, Schlumberger Industries, December 1991	
	154	Negahaban, M., "A DSP Based Watthour Meter", <i>Silicon Systems, Inc.</i> , November 23, 1988	
	155	Negahaban, M. et al., "A DSP-Based Watthour Meter", <i>IEEE International Solid State ircuits Conference Digest of Technical Papers 36th ISSC 1st Ed.</i> , NY, NY, USA, 15-17, Feb 1989	
	156	Nilsen, "EMS 2100 Electricity Consumption Analyzer-Australian Design Award", 1998 , 1-16	
	157	Hutt, P.R. et al. "Design, Benefits and Flexibility in Intelligent Metering Technology", <i>Polymeters Limited, UK</i>	
	158	Product Brochure: "KVI Polyphase Combination Meter", July 1988	
	159	Progress in the Art of Metering Electric Energy, <i>The Institute of Electrical & Electronics Engineers, Inc.</i> , Electricity Metering Subcommittee, 1969	
	160	QUAD4® Plus Multifunction Electronic Meter, User's Guide, Document A-117350, Revision L., Process Systems, Charlotte, NC, 1993	
	161	Quantum Multi-Function Polyphase Meter Type SQ400, Preliminary Instruction Manual Draft III, March 1983	
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	162	Quantum Technical Guide, July 1998
	163	ST-MT 100 Electronic Time-of-Use Instruction Manual 0505, Sangamo Westing, Inc., May 1987
	164	Quantum.RTM. Electronics Meter Filed Reference Manual for Q101, Q111, Q121, Q200, Q210, Q220 and Q230 Electronic Meters, Schlumberger Industries, prior to Jan 1991
	165	ST-DS130 Recorder Module Product Bulletin 13157, Schlumberger Industries, Sep, 1988
	166	ST-Q101 Series Electronic Meter, Product Bulletin 10253, Schlumberger Industries, Sept 1988
	167	ST-Q200 Series System Measurement, Product Bulletin 10255, Schlumberger Industries, 1988
	168	ST-Q200 Series System Measurement , Product Bulletin 10255, Schlumberger Industries, Nov 1990
	169	Su, K. L., "Fundamentals of Circuits, Electronics and Signal Analysis", <i>Georgia Institute of Technology</i> , Atlanta, Ga, Dec 1996 , 1, 61-63
	170	Summers, R., "Integrated Semiconductor Solutions for Metering and Telemetering Applications, April 1990 , Texas Instruments
	171	Three-Phase, Watt-Hour Meter IC, <i>Electronic Design</i> , February 23, 1989
	172	Usenko, VV. Et al., "Meter for Recording the Energy of Single and Rarely-Repeating Ultrahigh-Energy Pulses", <i>Radiotekhnika, Kharkov</i> , Ukranian SSR, 1988 , 86, 44-48
	173	In the Matter of Australian Patent Application No. 688711 in the name of ABB Power T & D Co. Inc and in the Matter of Opposition thereto by Electrowatt Technology Innovation Corp., Patents Act 1990 , Decision of a Delegate of the Commisioner of Patents, December 19, 2000 , 14 pages
	174	Gow, J., <i>Electricial Metering Practices</i> , 1973 (physical copy unavailable)
	175	Handbook for Electricity Metering, 1981 (Physical copy unavailable)
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